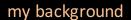
iat 431: speculative design

week 1: introduction
dr carman neustaedter

instructor & ta dr. carman neustaedter instructor ben unterman bau@sfu.ca



siat, 2010 university of rochester kodak research labs microsoft research





contacting me

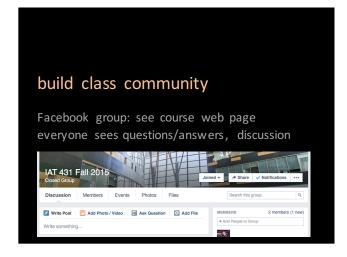
email: carman@sfu.ca facebook: facebook.com/carmster

twitter: dr_carmster

web: http://clab.iat.sfu.ca/carman

physical: 2822

office hours: right after class for 1 hour (at Blenz)



learning style: flipped class

learning styles are changing teaching styles need to change technology is changing

I teach best when talking directly with students students learn best talking directly with me

I don't teach, I facilitate learning I don't lecture, I explore the topic with you

flipped classroom

PDFs of slides posted a week early audio clips posted a week early

look at home, listen on the train, or do both together

flipped classroom

 $\begin{array}{l} \textbf{lecture} - \textbf{discussion} \ \ \textbf{time} \ \ \textbf{about} \ \ \textbf{difficult} \ \ \textbf{areas} \ \textbf{and} \\ \textbf{applying} \ \ \textbf{the} \ \ \textbf{ideas} \end{array}$

if people are not prepared and there is no discussion, we move to studio lab early – use me!

studio lab – working with examples, applying the ideas to assignments

technology use is encouraged

use it all look things up, find examples, find definitions backchannel discussions about the material

not okay for non-course stuff

spec

0%, F

the goal of the game

advance through each stage of: art, design, hci to become a speculative designer

game rules

complete assignments and projects answer weekly reading questions complete an in-class exam

collect experience points (xp) – determines your grade

the game master has the final say on points

game mechanics

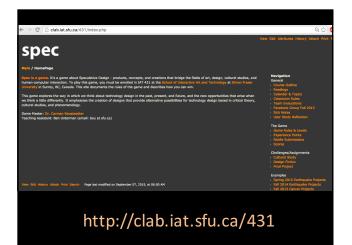
freedom to fail: lab crits, iterative design, riddle $\dot{}$

questions

rapid feedback: lab crits, online scoring

progression: online scoring, riddle questions

storytelling: move through ranks



go through each section of website

Course Description:

Provides students with the opportunity to experiment with designing in various non-normative frameworks provided by Cultural Studies, Critical Theory and Phenomenology, Students will examine design's potential for cultural, social and ethical critique of emerging technologies and society. Rather than merely illustrating theoretical positions, this examination involves enacting and embodying differing theoretical positions, thereby rendering criticism productive. Individual design expertise and voice is emphasized.

Course Objectives:

The goal of this course is to develop skills necessary for understanding, interpreting, and thinking about future designs. Students will study the theoretical perspectives of speculative design, methods for creating flexible and innovative designs of the future, and techniques for critiquing culture and design. Lectures will be complemented with hands-on activities in studio labs along with assignments aimed at creating conceptual design proposals and future design prototypes.

Learning Outcomes:

Students will be able to:

- understand, critique and analyze designs from non-typical design perspectives including value-sensitive design, critical design, ludic design, and reflective design
- analyze, evaluate, and critically reflect on the design of human-centered solutions with respect to current and emerging design, social and cultural issues
- design a tangible artifact or digital program from a non-typical design perspective such as value-sensitive design, critical design, ludic design, or reflective design
- conduct a field evaluation of a speculative design to understand and receive critical feedback and cultural understanding by non-designers

Topics:

The thematic investigation will change periodically and will focus on a range of topics impacting society and culture in the present and near future.

Evaluation:

Your total course grade will consist of the following percentage breakdown. 40% Individual Assignments 30% In-Class Exam 30% Group Projects (group work with individual grades)

Students must get at least 50% in each of the above components of the course in order to pass.

All team/group assignments must be completed as a group with your respective team members or you will receive 0 marks for them. All individual components must be completed individually or you will receive 0 marks for them.

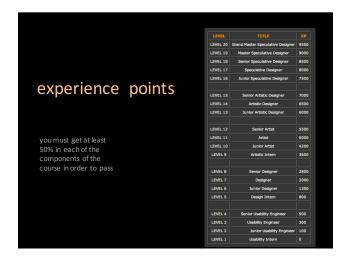
You can earn up to 2% bonus by participating in designated research studies within SIAT as a learning experience to broaden your understanding of research in interactive arts and technology. This includes 1% per study that you participate in.

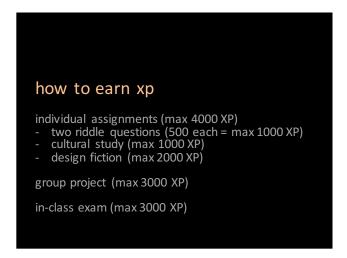
Your TA and Instructor will have final say over who are your group/team members.

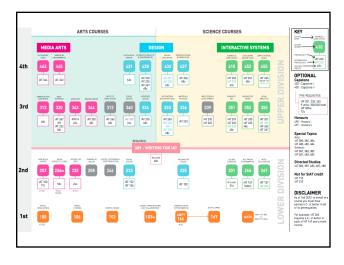
You will complete one or more team member evaluations during the term. If your evaluations illustrate you are not performing an adequate amount of work on team submissions, components of your grade may be adjusted to reflect the evaluation. Team members may also directly influence portions of your grade.

TEXTS, RESOURCES + MATERIALS:

Course pack







this is a destination course
you should have a range of SIAT skills
it will utilize many of them: a mix of media,
design, and HCI

topic overview

speculative design

practice led research design as a tool for critical reflection

source: Mitt

discursive design

product designs that transmit ideas designs are not instruments of utility

source: Tharn & Tharn

discursive designer

affect intellect through design critic, educator, provocateur

source: Tharp & Tharp

different design goals

danger, adventure, transgression move away from "useful" and "usable" challenge the status quo imagination

source: Dunne & Raby

(not) user studies

situations where user studies may not help move beyond what exists be innovative

if you ask people what they want in the future, they don't often know (or get it wrong)

the challenge

there are few 'processes' or 'methods' for creating critical designs or futuristic designs

focus on discourse and examples

specific topics

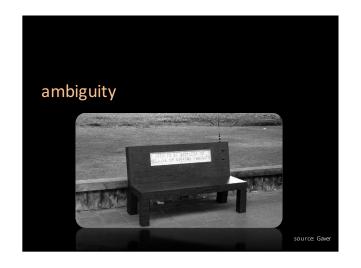






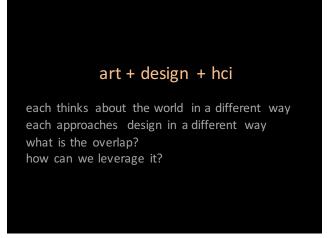






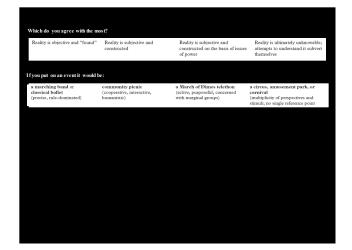




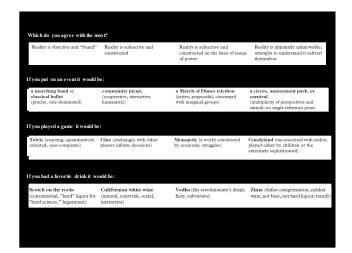


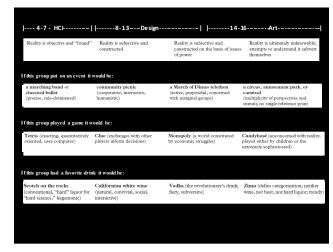


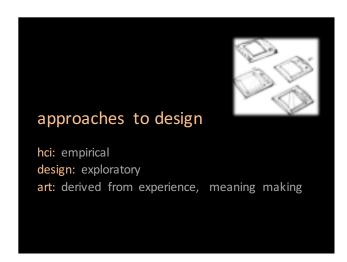




Reality is objective and "found"	Reality is subjective and constructed	Reality is subjective and constructed on the basis of issues of power	Reality is ultimately unknowable; attempts to understand it subvert themselves
fyou put on an event it would b	ie:		
a marching band or classical ballet (precise, rule-dominated)	community picnic (cooperative, interactive, humanistic)	with marginal groups)	a circus, amusement park, or carnival (multiplicity of perspectives and stimuli; no single reference point
fyou played a game it would be Tetris (exacting, quantitatively	Clue (exchanges with other	Monopoly (a world constituted	Candvland (unconcerned with realit
	players inform decisions)	by economic struggles)	played either by children or the extremely sophisticated)







your goal

draw from all three approaches if you are an artist, draw from design and hci if you are a designer, draw from art and hci if you do hci, draw from art and design

challenges: assignments





2: speculative design (group of 3) – max 3000 XP

Earthquake preparedness https://vimeo.com/124784566

Cancer awareness –
https://vimeo.com/80503355

Design for developing nations –
https://vimeo.com/40130452

weekly riddles

weekly readings open-ended questions, think and apply due by 11:59pm on Sunday

representative answers shown in class classes structured around answers

grading based on effort & "did you read" two graded out of the entire set – max 500 each

the goal of the readings

pace your learning avoid cramming material actively respond to students' needs focus the class around the students



academic misconduct

follow university guidelines

plagiarism: using another person's ideas or creative work without giving credit

classroom sharing of ideas is encouraged

late assignments

10% off per day

illness – require a legitimate doctor's note with details about the problem

must fill out the SFU form – see course web page

class time

we start on time arriving late = may be asked to leave

lecture initially once done, studio lab time

team evaluations

end of semester give teammates a grade it WILL affect project grade

bonus

up to 2% for participation in research studies

things to do

join the Facebook group read the readings for next week answer the riddle questions

